In the Claims:

Please amend the claims as follows:

1. (currently amended) A method of removing non-volatile solvent residue in a closed circuit processing system, said system including a chamber, a first fluid supply tank in communication with said chamber and a second fluid supply tank in communication with said chamber, said method comprising the steps of:

placing an object having an internal surface to be processed in a chamber;

connecting said object to a pressure-reducing device, said pressure-reducing device being adapted to draw into and over said internal surface of said object;

sealing said chamber;

evacuating non-condensable gasses from said chamber to form an evacuated condition;

introducing a first fluid into said ~~evacuated~~ chamber from a first fluid supply tank to clean said object contained in said chamber;

activating said pressure-reducing device to reduce the pressure of said first fluid, thereby creating a negative gauge pressure on the internal surface of said object;

introducing a gas to said chamber causing said first fluid within said chamber ~~into~~ to be drawn into and over the internal surface of said object thereby cleaning said internal surface of said object;

applying ultrasonic ~~sound~~ waves to said first fluid ~~within said chamber to create ultrasonic vibration in the reduced pressure fluid~~ subject to said negative gauge pressure on the internal surface of said object within said chamber, said ultrasonic waves creating ultrasonic vibration in the ~~reduced pressure~~ fluid;

recovering and retaining said first fluid from said chamber whereby said chamber is returned to said evacuated condition;

directing a second fluid at a high velocity against the surface of said object to dislodge said non-volatile residue from the surface of said object;

recovering and retaining said second fluid from said chamber whereby said chamber is returned to said evacuated condition;

introducing a non-condensable gas to said chamber to return said chamber to atmospheric pressure; and

opening said chamber and removing said object.

2. (currently amended) The method of removing non-volatile residue from an object in claim 1, wherein said step of connecting said object to said pressure reducing device includes connecting said object to a compression fit gasket, said gasket becoming sealed when a negative gauge pressure is applied to said ~~connected end of said~~ object via said pressure reducing device.

3. (currently amended) The method of removing non-volatile residue from an object in claim 1, wherein said step of connecting said object to said pressure reducing device includes connecting said object to a connector manifold to introduce said ~~fluids~~ first fluid and said second fluid directly to the internal surface of said object.

4. (currently amended) The method of removing non-volatile residue from an object in claim 1, wherein said step of applying ultrasonic ~~sound~~ waves includes applying said ultrasonic ~~sound~~ waves at varied pressures between normal atmospheric pressure and the ~~vapor~~ negative gauge pressure of said first fluid being subjected to said ultrasonic ~~sound~~ waves.